

**Indiana Course-Aligned Assessment**  
**Algebra II – Sample Items**

1. What is the 10<sup>th</sup> term of the sequence 3, 7, 11, 15,...?  
  
**A** 37  
**B** 39  
**C** 41  
**D** 43
  
2. The functions  $f(x) = x^2$  and  $g(x) = x^2 - 1$  are graphed on the same set of axes. The graph of  $g(x)$  is the graph of  $f(x)$  shifted  
  
**A** up 1 unit.  
**B** down 1 unit.  
**C** right 1 unit.  
**D** left 1 unit.
  
3. One factor of  $g(x) = 2x^3 - 3x^2 - 17x - 12$  is  $x + 1$ . What are the zeros of  $g(x)$ ?

**Answer Key**

<b>Item</b>	<b>Answer</b>	<b>Alignment</b>
1	B	A2.8.2
2	B	A2.3.4
3	-1.5, -1, 4	A2.5.7